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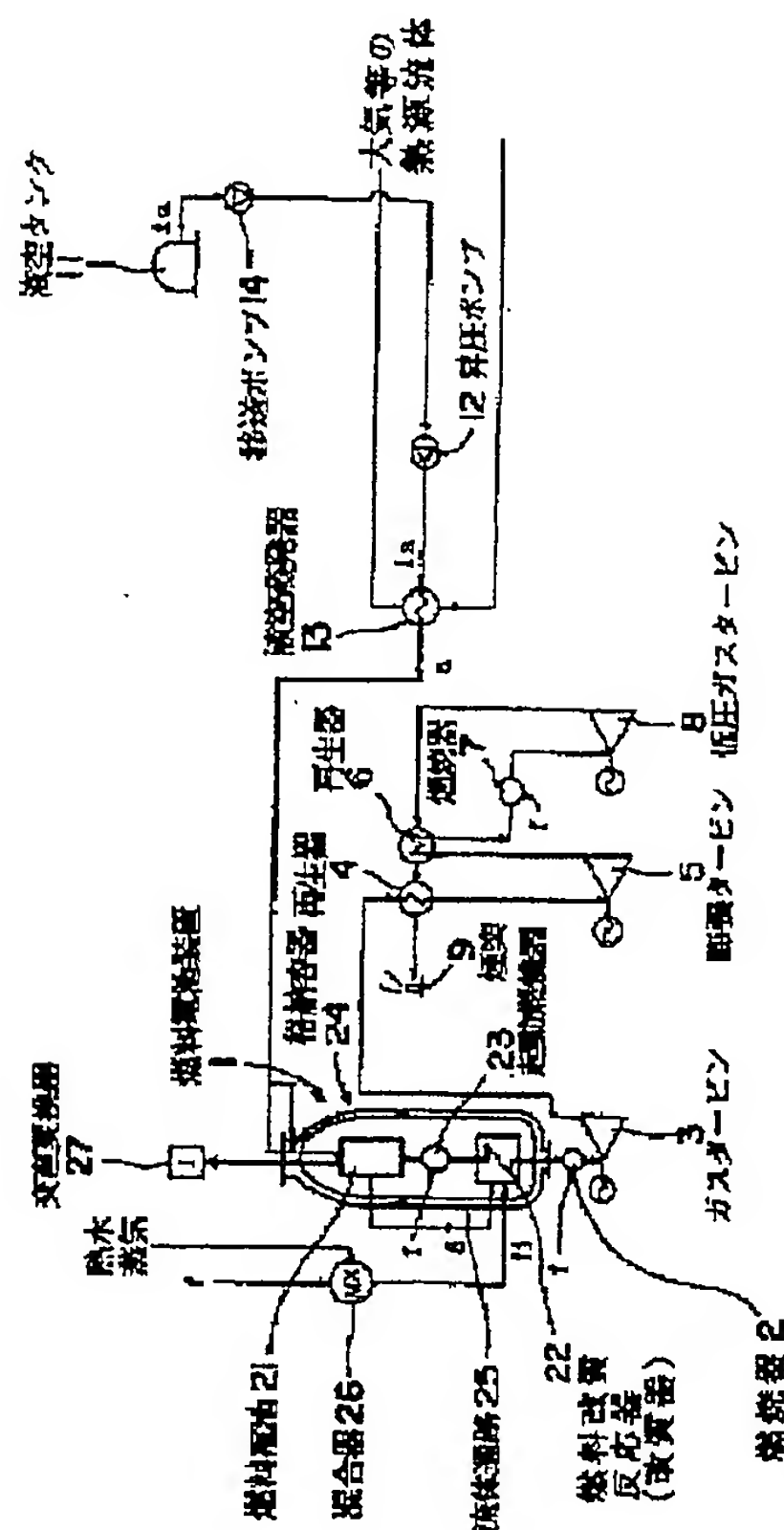
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TITLE : FUEL CELL DEVICE AND TURBINE  
FACILITY



ABSTRACT : PROBLEM TO BE SOLVED: To enhance power generating efficiency by allowing a fuel cell to work in effective conditions with high oxygen concentration and high-pressure air and stabilize the fuel reforming using a reformer.

SOLUTION: A fuel cell 21 is configured so that a liquefied air 1a stored in a tank 11 is turned in high pressure by a pressure booster pump 12 and gasified and this air and a reformed gas from a reformer 22 are charged and thereby electric power is generated through electrochemical reactions. A starter combustor 23 heats the reformer 22 by combusting the exhaust gas from the fuel cell 21 together with the fuel, and the power generating efficiency is enhanced by allowing the fuel cell 21 to work in effective conditions with high oxygen concentration and high pressure air and also the fuel reforming by the reformer 22 is stabilized.

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